

Erratum to Measurement of $\sigma(p\bar{p} \rightarrow Z) \cdot \text{Br}(Z \rightarrow \tau\tau)$ at $\sqrt{s}=1.96$ TeV, published in Phys. Rev. D **71**, 072004 (2005)

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The measurement of $\sigma(p\bar{p} \rightarrow Z) \cdot \text{Br}(Z \rightarrow \tau\tau)$ published in 2005 [1] requires a correction for an increase in the reported integrated luminosity. The instantaneous luminosity at DØ is measured by counting the number of inelastic collisions that produce charged particles within the acceptance of the luminosity monitor [2]. The determination of the luminosity has recently been improved through studies of the multiplicities observed in the luminosity monitor [3]. These studies indicated that the fraction of observable inelastic collisions was overestimated in our previous analysis [4]. For this analysis the estimated integrated luminosity increased from 226 pb⁻¹ to 257 pb⁻¹ and the luminosity uncertainty decreased from 6.5% to 6.1%. The corrected value for $\sigma(p\bar{p} \rightarrow Z) \cdot \text{Br}(Z \rightarrow \tau\tau)$ is $209 \pm 13(\text{stat.}) \pm 16(\text{syst.}) \pm 13(\text{lum.})$ pb. The new value is in reasonable agreement with the NNLO standard model predictions of 252^{+5}_{-12} pb using the MRST2004 and $242^{+3.6}_{-3.2}$ pb using the CTEQ6.1M parametrization of the parton distribu-

tions [5].

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